IFPS Job Sheet No. 3

Manipulating Grids in the Grid Manager

Objective — This job sheet will familiarize you with some of the operations you can perform on individual grid blocks in the grid manager. Generally, you would want to perform these BEFORE editing data in the Spatial Editor. More on that later.

Expand a Grid's Valid Time Period

- Rather than repeating the same grid over and over (as is the case in a status quo weather situation), it may be useful to define a single grid that is valid over a longer time period.

1. In the Grid Manager, **press** and **hold** the **MB2** over a **grid block** that is adjacent or next to a grid gap.
2. While holding MB2 **down, drag the cursor** to the **left or right** until you see the grid block stretch.
3. **Release** MB2.

Shorten a Grid's Valid Time Period

1. In the Grid Manager, **select a time period that covers only a portion** or one-half a grid block's valid time.
2. Select **Grids** from the **Menu Bar**. Then select **Delete Grids**.

Split a Grid's Valid Time Period

1. **Select a time period that only covers a portion** of the grid block of interest.
2. Select **Grids** from the **Menu Bar**. Then select **Split Grids.**

Fragment a Grid's Valid Time Period

- Fragment differs from the Split operation in that it divides grids into their smallest possible time blocks.

1. Select a grid block using the **MB1** so that the grid becomes **blue hatched.**
2. Select **Grids** from the **Menu Bar**. Then select **Fragment Grids.**

Delete a Grid Block

1. Select a grid block and time period using **MB1** so that the grid become **blue hatched.**
2. Select **Grids** from the **Menu Bar.** Then select **Delete Grids.**

Interpolate Grids – This operation is important for a smooth operation in the ICS and IGR. For that reason, you **MUST** interpolate for **at least** the first 48 hours for the forecast.

1. Select a weather element and time period using the **MB1 drag operation** so that the grid blocks become **blue hatched.** Make sure the time period covers gaps in the grids.
2. Select **Grids** from the **Main menu Bar.**
3. Select **Interpolate ->By Gaps.** You should see new grids appear and fill the gaps that you identified in step 1.